

Title (en)
Device connector and device connector system

Title (de)
Geräteverbinder und Geräteverbindersystem

Title (fr)
Connecteur de dispositif et système de connecteur de dispositif

Publication
EP 2565989 A1 20130306 (EN)

Application
EP 12005039 A 20120706

Priority
JP 2011192586 A 20110905

Abstract (en)
An object of the present invention is to enable a bolt cap to be held without increasing the number of parts. The present invention concerns a male connector 10 to be mounted and fixed to a case C of a device. The male connector 10 includes a tightening bolt B including a tightening portion B1 to be tightened using a tool in screwing the tightening bolt into a bolt hole C2 in an axial direction of the bolt hole C2, a shield shell 20 including an insertion hole 22 into which the tightening bolt B is insertable in the axial direction, a bolt cap 40 to be mounted to cover the tightening portion B1, a seating portion 21 provided at a part of the shield shell 20 around the insertion hole 22 to be sandwiched by a hole edge part of the bolt hole C2 and the tightening portion B1 in the axial direction, a bolt flange B12 projecting from an outer peripheral side surface of the tightening portion B1 in a direction crossing the axial direction, a mounting recess D being formed between the bolt flange B12 and the seating portion 21, and a mounting portion 42 to be mounted in the mounting recess D and engaged with the bolt cap 40 in the axial direction, thereby holding the bolt cap 40 in a state covering the tightening portion B1.

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Citation (applicant)
JP H08111217 A 19960430 - HONDA MOTOR CO LTD

Citation (search report)
• [Y] JP 2011086461 A 20110428 - SUMITOMO WIRING SYSTEMS
• [Y] US 3740981 A 19730626 - PATRIQUIN G
• [YA] EP 2190074 A1 20100526 - SUMITOMO WIRING SYSTEMS [JP]
• [A] US 2011053434 A1 20110303 - SENG HANS-PETER [DE], et al

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US11549547B2; WO2018127512A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
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DOCDB simple family (application)
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